	S arch Terms
-	APPLIANCE
2	APPLIANCES
3	FORCE
4	FORCES
5	FREQUENCIES
6	FREQUENCY
7	FREQUENCYS
8	HANDLE
9	HANDLES
10	HANDLING
11	HANDLINGS
12	HISTORIES
13	HISTORY
14	HISTORYS
15	IMPACT
16	IMPACTS
17	LEFT
18	LEFTS
19	LIFE
20	LIFES
21	LIFETIME
22	LIFETIMES
23	LIVE
24	LIVES
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	Total	USPAT	B	EPO	JPO	D rwent	IBM TDB	USOCR
-	91509							
2	66264							
3	1623090							
4	599995							
5	271234							
6	1303568							
7	48							
88	622772							
9	113434							
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(((((APPLIANCE AND RESIDUAL) AND (USE SAME (HISTORY OR FREQUENCY))) AND (VARIANCE OR VARIES OR VARIATION)) AND ((SERVICELIFE OR LIFETIME OR HISTORY OR LIFE) OR (USE SAME FREQUENCY) OR SERVICE) AND PATTERNS) AND (RESIDUAL OR REMAINING OR REMAIN OR LEFT)) AND (HANDLING OR IMPACT OR STRESS OR HANDLE OR FORCE))	VARYS	VARY	VARIES	VARIATIONS	VARIATION	VARIANCES	VARIANCE	USES	USE	STRESSES	STRESS	SERVICES	SERVICELIFE	SERVICE	RESIDUALS	RESIDUAL	REMAINS .	REMAININGS	REMAINING	Search T rms

	Total	USPAT	B	EPO	JPO	D rw nt	IBM TDB
28	947315						
29	169						
30	776141						
31	405684						
32	6025						
33	486861						
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36	412766						
37	159028						***************************************
38	504						
39	1352622				4		
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IDS Parallel proce ID 20020120849 20020829 22 watermarking
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725/105	375/148		438/261	705/51; 713/200		709/205; 709/225		Curr nt XR f
								Retrieval Classif
Thi, James C. et al.	McCorkle, John W.	Castro, Juan Carlos	Reddy, Damoder	Ginter, Karl L. et al.	McKinley, Tyler J. et al.	Jackson, Gregory J. et al.	Rhoads, Geoffrey B.	Inv ntor
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6	US 20020091991	
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US 6457681 B1	US 6459495 B1	US 6476863 B1	US 20010031405 A1	US 20010034088 A1	US 20010034686 A1	US 20010039014 A1	US 20020009208 A1	US 20020010679 A1	US 20020048369 A1	Document ID
20021001	20021001	20021105	20011018	20011025	20011025	20011108	20020124	20020124	20020425	Issue Dat
50	288	256	19	42	43	116	43	55	355	Pag s
Control, ound, and operating syst m for mod I trains	Dot center tracking in optical storage systems using ink dots	Image transformation means including user interface	Color filters for displays	Method of manufacturing a semiconductor device	Method of and system for defining and measuring the real options of a commercial enterprise	Integrated systems and methods for diversity generation and screening	Authentication of physical and electronic media objects using digital watermarks	Information record infrastructure, system and method	Systems and methods for secure transaction management and electronic rights protection	Title
246/187A		348/231.9	430/7	438/166	705/36	435/6	382/100	705/51	380/277	Curr nt OR

18	17	16	15	14	13	12	1	10	9	
104/296; 246/4	358/520		430/200	438/149	705/7	435/287.2; 702/20	382/264	705/3	380/246; 713/151; 713/194	Curr nt XRef
										R trieval Classif
Wolf, Micha Paul tal.	Silverbrook, Kia	Silverbrook, Kia	Phillips, Roger Winston	Nakamura, Osamu et al.	Eder, Jeff Scott	Bass, Steven H. et al.	Alattar, Adnan et al.	Felsher, David Paul	Ginter, Karl L. et al.	inv nt r
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US 6431669 B1	US 6433835 B1	US 6441354 B1	US 6442525 B1	Docum nt ID
20020813	20020813	20020827	20020827	Issue Dat
293	121	22	287	Pag s
Method and apparatus for information storage in a portable print roll	Expanded information capacity for existing communication transmission systems	Microwave polymerization system for dentistry	System for authenticating physical objects	Title
347/2	348/608	219/679	705/1	Curr nt OR

22	21	20	9	
358/296	348/723	219/705; 219/709; 219/748; 264/402; 422/21; 425/174.8E; 522/1	235/379; 235/380; 235/382; 348/441; 348/552; 348/552; 705/51; 705/64; 705/67; 705/67; 713/169; 713/180	Current XRef
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Silverbrook, Kia	Hartson, Ted E. et al.	Seghatol, Marc et al.	Silverbrook, Kia et al.	inv ntor
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US 6363488 B1	US 6381341 B1	US 6385329 B1	US 6389402 B1	US 6409664 B1	US 6415054 B1	US 6427140 B1	US 6430430 B1	Document ID
20020326	20020430	20020507	20020514	20020625	20020702	20020730	20020806	issu Dat
			315	34	288	315	41	Pag s
Systems and methods for secure transaction management and electronic rights prot ction	Watermark encoding method exploiting biases inherent in original signal	Wavelet domain watermarks	Systems and methods for secure transaction management and electronic rights protection	Nomograms to aid in the treatment of prostatic cancer	Target detection for dot region alignment in optical storage systems using ink dots	Systems and methods for secure transaction management and electronic rights protection	Method and system for knowledge guided hyperintensity detection and volumetric measurement	Title
713/201	382/100	382/100	705/51	600/300	382/233	705/80	600/410	Curr nt OR

30	29	28	27	26	25	24	23	
705/14; 705/53			380/201; 705/1; 705/37; 705/53; 705/57; 705/80	128/898		705/53; 713/193	128/920; 128/923; 128/925; 382/293; 382/294	Current XRef
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Ginter, Karl L. et al.	Rhoads, Geoffrey B.	Sharma, Ravi K. et al.	Ginter, Karl L. et al.	Kattan, Michael W. et al.	Silverbrook, Kia et al.	Ginter, Karl L. et al.	Gosche, Karen M.	Inventor
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US 6253193 B1	US 6315200 B1	US 6317192 B1	US 6340868 B1	US 6356555 B1	US 6356715 B1	US 6361905 B1	US 6362868 B1	US 6362869 B1	US 6363159 B1	D cument ID
20010626	20011113	20011113	20020122	20020312	20020312	20020326	20020326	20020326	20020326	Issue Date
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Systems and methods for the secure transaction manag m nt and electronic rights prot ction	Encoded data card reading system	Utilization of image tiling effects in photographs	Illumination components	Apparatus and method for digital data transmission using orthogonal codes	Prints remaining indicating for camera with variable length print capability	Color filters for displays	Print media roll and ink replaceable cartridge	Authentication system for camera print rolls	Consumer audio appliance responsive to watermark data	Title
705/57	235/454	355/18	315/185S	370/441	396/284	430/7	355/18	355/18	382/100	Current OR

	40	39	38	37	36	35	34	33	32	31	
	705/52	235/462.01; 235/462.1; 235/462.24; 235/470	347/2; 348/222.1; 396/429	315/362; 362/234	370/442; 370/478; 370/479; 370/480; 370/503	347/101; 396/429; 396/515		347/86; 355/72; 399/12	347/101; 347/19	380/252	Current XRef
11/13/2002.											R tri val Classif
2. EAST Version: 1.03.0002	Gint r, Karl L. et al.	Silverbrook, Kia et al.	Silverbrook, Kia et al.	Lys, lhor et al.	Rakib, Selim Shlomo et al.	Silverbrook, Kia	Phillips, Roger Winston	Silverbrook, Kia	Silverbrook, Kia	Rhoads, Geoffrey B.	Inventor
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US 6077634 A	US 6120947 A	US 6177173 B1	US 6217165 B1	US 6237786 B1	US 6242141 B1	US 6246831 B1	Document ID
20000620	20000919	20010123	20010417	20010529	20010605	20010612	Issu Date
							Pages
M th d for pr paring color filters for displays	Color filters for displays and methods for preparing same	Damped laminates having welded through holes and/or edges with decreased spring back and improved fastener force retention and, a method of making	Ink and media cartridge with axial ink chambers	Systems and methods for secure transaction management and electronic rights protection	Color filters for displays and methods for preparing same	Fluid heating control system	Title
430/7	430/7	428/137	347/86	213/153	430/7	392/486	Curr nt OR

47	46	45	44	43	42	41	
430/200; 430/945	430/945	156/250; 156/253; 156/256; 156/261; 156/308.4; 181/207; 181/208; 228/170; 228/174; 360/97.01; 360/97.02; 428/68; 428/71;		380/203; 705/51; 705/58	430/200; 430/945	219/483; 219/497; 392/466	Current XRef
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Phillips, Rog r Winston	Phillips, Roger Winston	Nelson, A. Dwayne	Silverbrook, Kia	Ginter, Karl L. et al.	Phillips, Roger Winston	Seitz, David E. et al.	Inventor
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US 5834911 A	US 5892900 A	US 5910987 A	US 5915019 A	US 5917912 A	US 5949876 A	US 5982891 A	D cument ID
19981110	19990406	19990608	19990622	19990629	19990907	19991109	Issu Date
							Pages
Brushless DC motor capable of being started stably	Systems and methods for secure transaction management and electronic rights protection	Systems and methods for secure transaction management and electronic rights protection	Systems and methods for secure transaction management and electronic rights protection	System and methods for secure transaction management and electronic rights protection	Systems and methods for secure transaction management and electronic rights protection	Systems and methods for secure transaction management and electronic rights protection	Titl
318/254	713/200	705/52	705/54	713/187	705/80	705/54	Curr nt OR

54	53	52	51	50	49	48	
318/705; 318/721; 388/815; 388/822	713/201	705/30	705/26; 705/400; 713/200	705/40; 709/312; 713/164	705/1; 705/39; 705/54	705/26; 713/167	Current XR f
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Kimura, Taizou	Ginter, Karl L. et al.	Ginter, Karl L. et al.	Ginter, Karl L. et al.	Ginter, Karl L. et al.	Ginter, Karl L. et al.	Ginter, Karl L. et al.	Invent r
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US 5564831 A	US 5604441 A	US 5691037 A	US 5721783 A	Document ID
19961015	19970218	19971125	19980224	Is ue Date
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Method and apparatus for detecting the temperature of an 374/141 environment	In-situ oil analyzer and methods of using same, particularly for continuous on-board analysis of 324/663 diesel engine lubrication systems	Damped laminates with improved fastener force retention, a method of making, and novel tools useful in making	Hearing aid with wireless remote processor	Title
374/141	324/663	428/172	381/328	Curr nt R

58	57	ග	55	
34/493; 374/170; 374/183	324/667	181/207; 181/208; 248/636; 248/638; 267/141; 267/292; 428/201; 428/220; 428/323; 428/68; 428/71; 428/75; 428/913; 428/99; 52/403.1	381/312; 381/316; 381/321	Current XRef
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Bashark, Larry T.	Freese, V, Charles E. et al.	McCutcheon, Jeffrey W.	Anderson, James C.	Inv ntor
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59	×		US 5442940 A	19950822		Apparatus and method for evaluating the fetal condition	600/483
60	×		US 5410607 A	19950425		Method and apparatus for reducing noise radiated from a complex vibrating surface	381/71.2
61	⊠		US 5281956 A	19940125		Heater diagnostics and electronic control for a clothes dryer	340/660
62	×		US 5166592 A	19921124		Motor diagnostics and electronic control for a clothes dryer	318/799
63	Ø		US 5146874 A	19920915		Device with pouches for receiving animal waste	119/868
64	×		US 5101575 A	19920407		Heater diagnostics and electronic control for a clothes dryer	34/562
65	⊠		US 5006778 A	19910409		Motor diagnostics and electronic control for a clothers 318/799 dryer	318/799

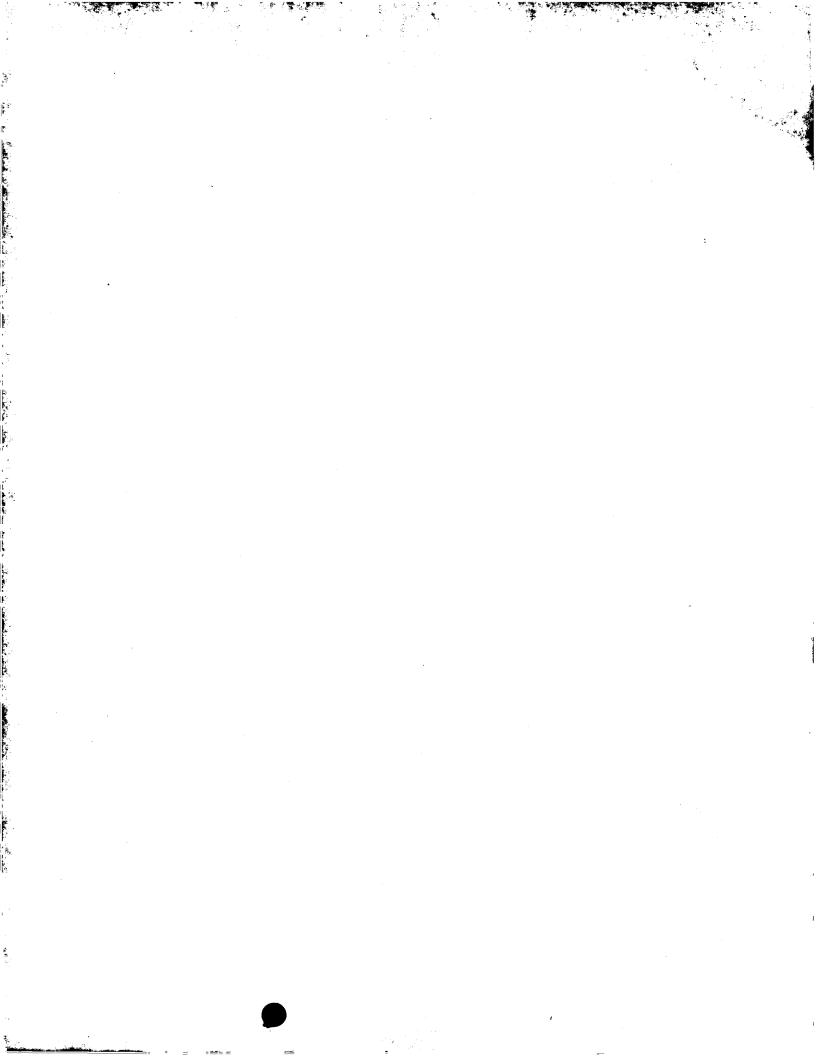
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59	600/453; 600/511; 600/588		Secker, Herbert et al.					
60	381/71.3		Mason, V. Bradford et al.					
61	340/310.01; 340/310.04; 340/538; 340/640	·	Bashark, Larry T.					
62	318/438; 318/806; 68/12.07		Bashark, Larry T.					
63	119/869		Vidal, Stella M.			•		
64			Bashark, Larry T.					
65	318/431; 318/433; 318/483; 318/809		Bashark, Larry T.					

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69	68	67	66	-
119/869	310/163; 310/DIG.2; 318/705; 318/720; 318/729; 318/814	119/869	340/309.15; 340/429; 340/430; 340/531; 340/539; 340/551; 340/561; 340/565; 340/692; 379/40	Current XRef
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Vidal, Stella M.	Roesel, Jr., John F. et al.	Vidal, Stella M.	Nykerk, Michael	inv ntor
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11	OKADA-HIDEO
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13	RESIDUALS
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16	((OKADA-HIDEO.IN.) AND (HISTORICAL OR LIFETIME OR HISTORY OR RESIDUAL OR LIFE OR SERVICE))



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20020827	20010712	20010920	20011115	20020425	Issu Date
40				33	Pag s
LIQUID ACCOMMODATING CONTAINER PROVIDING NEGATIVE PRESSURE, MANUFACTURING METHOD FOR THE SAME, INK JET CARTRIDGE HAVING THE CONTAINER AND INK JET RECORDING HEAD AS A UNIT, AND INK JET REPARATUS	Device and method of calculating a residual value of an apparatus based on a history of use of the apparatus as well as an electrical apparatus including the device	Video camera	Digital camera capable of being collected for reuse	Reusable digital camera that prevents unauthorized use	Title
264/512	702/187	348/333.04	348/207.99	348/207.99	Current OR

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264/515; 264/536; 264/540	702/182	348/231.99; 348/372	348/552; 396/6		Current XR f
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Sasaki, Toshiaki et al.	Okada, Hideo	Okada, Hideo	Okada, Hideo et al.	Okada, Hideo	Inv ntor
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19921013	19991102	20001114	20010626	Issu
013	102	114	626	Dat
				Pages
System for setting analysis condition for a thermal analysis 117/15 of a fluid inside an apparatus	Liquid accommodating container providing negative pressure, manufacturing method for the same, ink jet cartridge having the container and ink jet recording head as a unit, and ink jet recording apparatus	Liquid accommodating container providing negative pressure, manufacturing method for the same, ink jet cartridge having the container and ink jet recording head as a unit, and ink jet recording apparatus	Liquid accommodating container providing negative pressure, manufacturing method for the same, ink jet cartridge having the container and ink jet recording head as a unit, and ink jet recording apparatus	Title
117/15	220/495.01	347/85	347/86	Curr nt OR

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117/202; 117/954; 422/109	220/23.91; 220/62.21; 220/666; 220/669; 347/87			Current XRef
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Ishida, Masanobu et al.	Sasaki, Toshiaki et al.	Sasaki, Toshiaki et al.	Sasaki, Toshiaki et al.	inv nt r
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15 ×			JP 2001335085 A	20011204		
14			US 4206036 A	19800603		
13			US 4436794 A	19840313		
12 ⊠			US 4446210 A	19840501		
11			US 4699853 A	19871013		Fuel cell
10			US 4810595 A	19890307		Molten carbonat
			Docum nt ID	Issue Dat	Pages	<u> </u>

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UOZUMI, SHOHEI et al.	UCHIDA, YOICHI et al.	OKADA, HIDEO	OKADA, HIDEO	Takeuchi, Masato et al.	Takeuchi, Masato et al.	Okada, Hideo et al.	Okada, Hideo et al.	Kahara, Toshiki et al.	lnv nt r
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27 🛛 🖂 🖂 JP 63116372 A
26 🛛 🖂 🖂 JP 63170859 A
25 🛛 🖂 🖂 JP 01093063 A
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22 🛛 🖂 JP 04064960 A
21 🛛 🖂 🖂 JP 07022036
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310/247									360/74.2				Curr nt XRef
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BAN, ITSUKI tal.	MITSUGI, KOICHI et al.	IWASE, YOSHIO et al.	KAHARA, TOSHIKI et al.	MORI, TOSHIKATSU et al.	KAHARA, TOSHIKI et al.	IWASE, YOSHIO et al.	KUROE, SATOSHI et al.	IWASE, YOSHIO et al.	MIZUMOTO, YUKIHIRO et al.	MITSUSHIMA, SHIGENORI et al.	OKADA, HIDEO et al.	OKADA, HIDEO et al.	inv ntor
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	C	 Document ID	issu Date	Pag s	Titl	Curr nt OR
32	☒	☐ JP 57168473 A	19821016		ELECTRODE FOR FUEL CELL	
33	×	□ JP 56019221 A	19810223		MONOSTABLE MULTIVIBRATOR HAVING NO MALFUNCTION DUE TO MAKE OF POWER	
34	⊠	JP 56010063 A	19810202		ROTOR OF AXIAL GAP TYPE ELECTRIC MOTOR	
35	⊠	JP 54142174 A	19791106		REMOVING NOX IN WASTE GAS	
36	☒	JP 54142173 A	19791106		REMOVING NOX IN WASTE GAS	
37	☒	JP 51130072 A	19761112		WASTE WATER TREATMENT APPARATUS	
38		EP 1117022 A2	20010718		Device and method of calculating a residual value of an apparatus based on a history of use of the apparatus as well as an electrical apparatus including the device	

38	37	36	35	34	33	32	
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